

Title (en)  
Time interval analysis of digital data

Title (de)  
Zeitintervallanalyse digitaler Daten

Title (fr)  
Analyse de l'intervalle de temps de données numériques

Publication  
**EP 1845385 B1 20081015 (EN)**

Application  
**EP 06112885 A 20060421**

Priority  
EP 06112885 A 20060421

Abstract (en)  
[origin: EP1845385A1] The invention refers to determining time characteristics of one or more data signals (D1) comprising a sequence of a plurality of bits, comprising providing a first sample value (A1) at a first time (T1) within a region of a first signal transition (E1, E3) and providing a second sample value (A2) at a second time (T2) within a region of a second signal transition (E2, E4) of the one or more data signals (D1), retrieving an edge model (EM1, EM2) of the signal edges (E1, E2, E3, E4) describing the signal magnitude over the time of the data signal (D1), determining from said edge model a first time difference (#t1) between the first sample value (A1) and a defined signal value and a second time difference (#t2) between the second sample value (A2) and the defined value, and determining the timing characteristics on the base of the second time difference (#t2) and the first time difference (#t1).

IPC 8 full level  
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**G01R 31/31725** (2013.01); **G01R 31/31937** (2013.01); **G04F 10/00** (2013.01)

Cited by  
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